

APPLIED SCIENCE

A LEVEL

Currently studied with AQA

For a number of years we have offered A level Applied Science at KS5. In June 2014 we were informed by the exam board AQA that the course may be discontinued under direction from Ofqual, and that AS students beginning in September 2014 would be the final students through the course.

To date the final decision on this has not been given and so we are waiting to hear from AQA as to whether the course will continue or if not be replaced with an alternative.

We are also exploring other options such as running a BTEC Level 3.

Applied Science has been popular and successful so we are keen to continue to offer a course which is accessible to a range of students and covers a broad range of subjects within the science curriculum. There will certainly be an equivalent course in place for September 2015 and information will be on the school website as soon as we are in a position to make an informed choice.

For your information we have provided the 'current' course content.

In the meantime, if you have any questions regarding Applied Science please contact
Ross Dixey on 0116 2879921
or email rdixey@grobycoll.com

A LEVEL APPLIED SCIENCE (2014)

The AQA GCE Applied Science course will allow you to study how science is applied in many different types of professions and industries. The focus of the course is scientific usage, concentrating on how scientists and others use science in their work. During this course you will be given the opportunity to visit scientific workplaces and meet people who use science on a daily basis. You will also learn how science contributes to our lifestyle and the environment in which we live.

Course Content

During this course students are able to:

- Follow a programme of learning which is practical - based and which improves practical skills
- Follow a balanced science programme covering biology, chemistry and physics
- Visit scientific workplaces
- Work independently on a number of projects
- Learn about the work of different types of people using scientific skills that they use
- Gain ideas about employment opportunities in science
- Prepare for higher and further education courses
- Keep track of progress and achievement throughout the course by a programme of continuous assessment
- Develop ICT skills for presenting work and researching information.
- Develop skills in monitoring and recording experimental work

Course content and assessment

Year 1—Applied Science Course /Module details

	Title	Assessed by...	Percentage
Unit 1	Investigating science at work: study the use of science in different organisations local to you. Discover the scientific skills and qualifications required by a range of workers.	Coursework portfolio	33.3% (16.7% of A2 grade)
Unit 2	Energy transfer systems: how both human and physical systems exchange energy. Much of the content is medical based, and contains aspects of biology and physics.	Examination	33.3% (16.7% of A2 grade)
Unit 3	Finding out about substances: contains 9 practical investigations set in a vocational context. The content covers both theoretical and practical aspects of chemistry.	Coursework portfolio	33.3% (16.7% of A2 grade)

Year 2—Applied Science Course /Module details

	Title	Assessed by...	Percentage
Unit 7	Planning and carrying out a scientific investigation: you will create your own antibacterial soap from scratch. You will need to conduct numerous trials to find the best method for creating the soap, and the best antibacterial to add to it.	Coursework portfolio	16.7% of A2 grade
Unit 9	Sports science: you will design, carry out and evaluate a 8 week fitness programme aimed at improving performance in chosen areas of a sport.	Coursework portfolio	16.7% of A2 grade
Unit 11	Controlling chemical processes: you will learn about different industrial processes and the chemistry which must be used to understand them and make the processes efficient.	Examination	16.7% of A2 grade